

PATENT ABSTRACTS OF JAPAN

(11) Publication number : 10-177822
 (43) Date of publication of application : 30.06.1998

(51) Int.CL

H01H 9/18
 B60R 16/02
 H01H 23/02

(21) Application number : 08-338521
 (22) Date of filing : 18.12.1996

(71) Applicant : YAZAKI CORP
 (72) Inventor : MIYAMOTO HIROSHI

(54) RUBBER CONTACT SWITCH

(57) Abstract:

PROBLEM TO BE SOLVED: To provide illumination of high brightness by providing a key top with luminous element, arranging the electrode of luminous element on the lower surface of the key top and connecting the electrode to a power supply circuit via a conductor arranged on a plunger.

SOLUTION: In a rubber contact switch 31, when some voltage is applied to the power supply circuit of a circuit board 35, a voltage is applied to an organic EL element 49 via a sliding contact exposed on the lower surfaces of a rubber contact 37, a plunger 43 and a projection 63. Then, under such a condition, that a key top 47 is not pressed downward, the organic EL element 49 comes to emit luminescence. When the key top 47 is pressed downward, the key top 47 makes turning motion around a turning motion shaft 45. Then, although a slant surface 65 makes movement relatively to the top end of a plunger 43, owing to formation thereof by slant surface 65, the sliding contact of the slant surface 65 and conductor on the upper end of the plunger 43 make sliding motion while holding mutually contact state. Therefore, even when the key top 47 is pressed downward, the organic EL element 49 is kept in its illuminated state.

